Field Installation Instructions

INSTALLATION MUST BE PERFORMED BY QUALIFIED SUN SERVICE PERSONNEL ONLY

OVERVIEW:
The Installation Procedures listed are for the MCA-3000. The unit is shipped as a fully assembled unit with the exception of the items as listed in the Parts list.

PARTS LIST:

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NUMBER</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Cabinet</td>
<td>C-39 of C-39/G</td>
<td>1</td>
</tr>
<tr>
<td>Modular Computer Analyzer</td>
<td>MCA-3000</td>
<td>1</td>
</tr>
<tr>
<td>* (THIS IS OPTIONAL, UNIT MAY BE UTILIZING A HEAD SUSPENSION KIT)</td>
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REQUIRED TOOLS:

Complete Sun Issued Tool Kit

INSTALLATION PROCEDURE:

1. Remove MCA-3000 from the box.

2. If the MCA-3000 is being mounted on a HSK, refer to the instructions included in the HSK carton.

3. Place the MCA-3000 on the Cabinet and secure using the four 9/16" bolts, and flat washers found in the C-39. Two can be accessed through the right drawer, one through the left drawer, and one from the rear.

4. Lift the printer cover located on the left-hand side of the tester as viewed from the front.

5. Place paper in the printer compartment and slide it to the rear.

6. Install the printer interface and power cables (supplied) to the connectors located on the right-hand wall of the printer compartment.

7. Remove the Printer (P/N AP-1100) from its box and place it on the work area (right front) of the MCA-3000.

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8. Connect the AC Power and the Printer Interface cables to the rear of the printer and slide the Printer forward against the Printer stop. Route cables so they do not interfere with paper supply.

9. Remove the shipping retainer from the printer carriage as shown in the "IMPORTANT NOTICE" enclosed.

10. Install the Printer ribbon onto the print carriage and load the paper into the Printer. If necessary, refer to the operator manual for assistance in loading ribbon and paper.

11. Replace the Printer’s dust cover and turn the Printer power switch to the “ON” position. Lower the printer compartment cover.

12. Remove the Keyboard from its box and plug cable into the Keyboard connector located on the right-hand wall of the printer compartment.

13. Turn keyboard upside down and locate the opening for the Dip Switches. Set SW1 to ‘ON’ and SW2 to “OFF”. This switch configuration will enable the XT mode for the Honeywell 101 keyboard. Refer to Figure 1.

![Figure 1. Bottom View of Honeywell 101 Keyboard](image1)

14. Place the Keyboard into the rack above the printer.

15. Install the Template Label on the Keyboard in the location as indicated in Figure 2.

![Figure 2. Label Location for Honeywell 101 Keyboard](image2)
16. **Install** the Remote Control in the remote control pocket located on righthand side of the tester. Connect the cable to the remote control connector located on the rear center of the tester.

17. **Install** the two Cable Hangers (U-shaped) to the back of tester using two 5/8" hex head screws to secure.

18. Slide open Infra-Red Module drawer on right aide of teeter (viewed from the rear). Locate Oxygen Sensor from the accessories bag and screw into mounting block (located in the middle of drawer). FINGER TIGHT ONLY! Locate the cable from the Solenoid Driver Board mounted on the back of the Infra-Red Module drawer, and insert its 1/4" plug into top of 0, Sensor.

19. Connect the clear Plastic 1/4" Hose (32" in length), to the aspirator fitting of the primary bowl, down to the drain fitting located at base of the Cabinet.

20. Attach all Tester Leads along with vacuum hose, to their prospective connectors located on the boom of the MCA-3000.

21. On units utilizing the C-39/G Cabinet, place the two rubber mats provided at base of unit (one on front ledge and the other in the gas bottle compartment at rear of unit.

22. Perform the checkout procedure as found in Appendix D of the MCA-3000 Service Manual.

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* INSTALLATION COMPLETE *
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